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21186 7590 03/21/2005

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

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MINNEAPOLIS, MN 55402

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John D. Gustaf-Wrathall (Depositor's name)
John D. Gustaf-Wrathall (Signature)
6-21-05 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/584,576	05/31/2000	David L. Graumann	884.263 US1	4643

TITLE OF INVENTION: ECHO CANCELLATION APPARATUS, SYSTEMS, AND METHODS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	06/21/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
SWERDLOW, DANIEL	2644	379-406080

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Schwegman, Lundberg,
 2. Woessner & Kluth, P.A.
 3.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Intel Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Santa Clara, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☒ Advance Order - # of Copies 1

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- ☒ A check in the amount of the fee(s) is enclosed.
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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

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Authorized Signature

Ann M. McCrackin

Date

June 21, 2005

Typed or printed name

ANN MCCRACKIN

Registration No.

42,858

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David L. Graumann

Title: ECHO CANCELLATION APPARATUS, SYSTEMS, AND METHODS (AS AMENDED)

Docket No.: 884.263US1

Serial No.: 09/584,576

Filed: May 31, 2000

Due Date: June 21, 2005

Examiner: Daniel Swerdlow

Group Art Unit: 2644

Customer No.: 21186

Confirmation No.: 4643

Commissioner for Patents

Notice of Allowance Date:

Attn: MAIL STOP ISSUE FEE

March 21, 2005

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the attached:

☒ A check in the amount \$ 1400.00 to cover the Large Entity Issue Fee Payment.

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☒ Issue Fee Transmittal (Form PTOL-85).

☒ A return postcard.

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SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

By

Ann M. McCrackin

Customer Number: 21186

Ann M. McCrackin

Reg. No. 42,858

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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, Attn – MAIL STOP ISSUE FEE, P.O. Box 1450, Alexandria, VA 22313-1450, on this 21 day of June, 2005.

John D. Gustafson-Whithell
Name

John D. Gustafson-Whithell
Signature